

CLAIMS

1. A diorganopolysiloxane/acrylate ester copolymer containing emulsion composition for fabric treatment comprising (A) 100 weight parts of an emulsion containing a copolymer formed from (i) an hydroxyl endblocked diorganopolysiloxane having a least two silicon bonded alkenyl groups in each molecule and (ii) an acrylate ester monomer; (B) 1-100 weight parts of colloidal silica; (C) 0.01-15.0 weight parts of a condensation catalyst; and (D) 1-50 weight parts of an inorganic flame retardant.
2. A composition according to Claim 1 wherein condensation catalyst (C) is a metal salt of an organic acid selected from the group consisting of dibutyltin dilaurate, dibutyltin diacetate, dibutyltin dioctate, tin laurate, and zinc octanoate; a titanate ester selected from the group consisting of tetrabutyl titanate, tetrapropyl titanate, and dibutoxy titanium bis(ethyl acetoacetate); or an amine compound selected from the group consisting of n-hexylamine and guanidine.
3. A composition according to Claim 1 wherein inorganic flame retardant (D) is aluminum hydroxide, antimony oxide, chlorophosphonate, or bromophosphonate.
4. A composition according to Claim 3 further comprising (E) 0.1-30 weight parts of an organic flame retardant selected from the group consisting of halogenated hydrocarbons, organophosphates, or silicones.
5. A method of treating fabrics comprising applying to fabrics the composition according to Claim 1.
6. A method according to Claim 5 in which the composition is applied to the fabrics as a fabric dip.

7. A method according to Claim 6 in which the fabric is a material used in manufacturing tents or automotive air bags.

8. A fabric treated in accordance with the method defined in Claim 5.

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